

ABSTRACT

Calculation models (22, 24) for an in-cylinder air charge amount determine an estimated intake air pressure (P_e) based on an intake air flow rate (M_s), and then determine an air charge amount (M_c) from the estimated intake air pressure (P_e). A correction execution module (26) corrects, while a vehicle is traveling, the calculation model based on the relationship between the estimated intake air pressure (P_e) and a measured intake air pressure (P_s).
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